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PTO/SB/01 (12-97)

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PEOLABATION FOR UTILITY OR	Attorney Docket Number	1426					
DECLARATION FOR UTILITY OR DESIGN	First Named Inventor	Robert A.	Selzer				
PATENT APPLICATION	COMPLETE IF KNOWN						
(37 CFR 1.63)	Application Number						
Declaration Declaration	Filing Date						
Submitted OR Submitted after Initial	Group Art Unit						
with Initial Filing (surcharge Filing (37 CFR 1.16 (e)) required)	Examiner Name						

As a below named inventor, I hereby declare that:						
My residence, post office address, and citizenship are as stated below next to my name.						
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural						
names are listed below).	, first and sole inventor (if on of the subject matter which is	ily one name is listed belov claimed and for which a p	v) or an original, i atent is sought o	first and joint inve n the invention er	entor (if plural ntitled:	
Method Of Improving X-Ray Lithography In The Sub 100nm Range To Create High Quality Semiconductor						
the specification of which Devices						
is attached hereto	. 4.44	tle of the Invention)				
OR was filed on (MM/I	DOMMY)	as Unite	ed States Applica	ition Number or P	CT International	
Application Number	end w	/as amended on (MM/DD/)			7	
I hereby state that I have n	eviewed and understand the	contents of the shown blos		n including the e	(if applicable).	
anonded by any american	an specifically referred to ab	ove.			aams, as	
I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.						
I hereby claim foreign priori certificate, or 365(a) of any America, listed below and ha or of any PCT International a	ve also identified below by	checking the bey can feet	ist one country	other than the U		
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Cop	oy Attached? NO	
N/A			0000	0000	0000	
Additional foreign application numbers are listed on a quasi-martel efects date about 200 (200 per						
Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.						
Application Number((MM/DD/YYYY)				
N/A			numbe supple	nal provisional rs are listed on mental priority o B/02B attached	a data sheet	
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[Page 1 of 2]

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PTO/SB/02A (3-97)

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 4 of 4

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Name of Addi	tional Joint Inventor, it	fany:	_	Г	A peti	tion has been fi	led for 1	his un	sianed i	inventor	_
Given Name (first and middle [if any])				A petition has been filed for this unsigned inventor Family Name or Surname							
Franz Ludwig					Rauch						
Inventor's Signature	Fran	· <i>1</i> .	\mathcal{L})	0	1				C (10 (0	_
Residence: City	Waterbury	Stat	e V	T	Country	USA			ete enship	6/10/9 German	
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Post Office Addres	22										
City	S. Burlingto	n Stat	e VT		ZiP	05403	Countr	y	USA	 	
Name of Additi	onal Joint Inventor, if	any:			A petiti	on has been file	d for th	is unsi	igned in	ventor	٦
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Residence: City	Williston	State	rv		Country	USA			enship	German	7
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Name of Additio	Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor										
Given Na	ame (first and middle [if any	y])				Family Nam	e or Su	ımame)		1
Klaus	1 1				Sin	non					
Inventor's Signature	Claus th	<u></u>						Dé	ate (6/10/99	
Residence: City	Madison	State	WI		Country	USA		Citize		erman	
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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 3 of 4

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New Haven	Sta	te V	T	Countr	USA				USA
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Name (first and middle [if	any])				Family Na	me or S	Surname		
Joe Baker									
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Robert Harrison Macklin									
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PTO/SB/81 (11-96)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT, NOT ACCOMPANYING **APPLICATION**

Application Number	
Filing Date	6/12/99
First Named Inventor	Selzer
Group Art Unit	2876
Examiner Name	I KIRDADZE
Attomey Docket Number	1426
Attorney Docker Herriser	19 00

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Practitioner(s)	named below:	Regist	ration Number
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STATEMENT UNI	DER 37 CFR 3.73(b)
Applicant/Patent Owner: ROBERT A. SE	ELZER et al. / SAL INC.
Application No./Patent No.: 14 26	Filed/Issue Date: 06/12/1999
	RPORATION
SAL, INC. ,a Co	PRPORATION
(Name of Assignee) (Type of A	Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:	
1. X the assignee of the entire right, title, and interes	t; or
2. an assignee of less than the entire right, title an The extent (by, percentage) of its ownership into	d interest. erest is%
in the patent application/patent identified above by virt	ue of either:
A. An assignment from the inventor(s) of the paten was recorded in the United States Patent and T which a copy thereof is attached.	t application/patent identified above. The assignment rademark Office at Reel, Frame, or for
OR	
B. [] A chain of title from the inventor(s), of the paten assignee as shown below:	t application/patent identified above, to the current
1. From:	То:
The document was recorded in the United	
2. From:	То:
The document was recorded in the United Reel, Frame	States Patent and Trademark Office at, or for which a copy thereof is attached.
3. From:	То:
The document was recorded in the United Reel, Frame	States Patent and Trademark Office at, or for which a copy thereof is attached.
[] Additional documents in the chain of title ar	re listed on a supplemental sheet.
[] Copies of assignments or other documents in the ch [NOTE: A separate copy (i.e., the original assignment must be submitted to Assignment Division in accordance recorded in the records of the USPTO. See MPEP 3	nt document or a true copy of the original document) ance with 37 CFR Part 3, if the assignment is to be
The undersigned (whose title is supplied below) is autho	rized to act on behalf of the assignee.
11 JAN 2001	KOBERT A. SELZER.
Date	Typed or printed hame
	Sp VP TECHANOLOGY

Title

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, receipt of which is hereby acknowledged, we, Robert A. Selzer of Waterbury, Franz L. Rauch of Waterbury, William R. Friml of New Haven, Joseph B. Gagnon of Waterbury Center, Robert H. Macklin of Richmond and Heinz Siegert of Williston, all of Vermont hereby sell and assign to SAL, Inc. (hereinafter called the ASSIGNEE), a Corporation organized and existing under the laws of Vermont having its principal place of business at 21 Gregory Drive, South Burlington, Vermont 05403 its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the IMPROVEMENTS IN A METHOD OF IMPROVING X-RAY LITHOGRAPHY IN THE SUB 100nm RANGE TO CREATE HIGH QUALITY SEMICONDUCTOR DEVICES invented by us and the application for United States patent therefor, executed on 10 June 1999, filed on 12 June 1999, Serial Number 09/332,206 and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents and Utility Model Registrations in countries foreign to the United States, and in and to any Letters Patent or Utility Model Registration which may be granted thereon in such foreign countries, and authorize and request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents on application as aforesaid, to issue the said Letters Patent or Utility Model Registration to the said ASSIGNEE, its successors, assigns, nominees of other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said Corporation, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said ASSIGNEE, its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, we will, upon request, sign all lawful papers requisite

for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said Corporation, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper patent and/or Utility Model protection for said improvements in all countries, all without further consideration but at the expense of said ASSIGNEE, its successors, assigns, nominees or other legal representatives.

Robert A. Selzer

Franz L. Rauch

William R. Friml

Joseph B. Gagnon

Robert H. Macklin

Waina Cianant

State of Vermont

County of Chittenden

Final Marking.